





PAGER Version 4

10,000

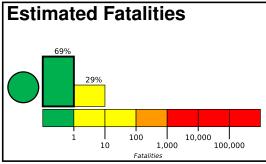
100,000

1,000

Created: 1 day, 0 hours after earthquake

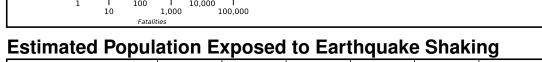
M 4.3, 6 km W of Arcadia, Oklahoma

Origin Time: 2024-01-13 03:46:27 UTC (Fri 21:46:27 local) Location: 35.6694° N 97.3892° W Depth: 3.0 km





Green alert for shaking-related fatalities Estimated Economic Losses and economic losses. There is a low likelihood of casualties and damage.



			-							
	POPULATION E (k=x1000)	_*	3,689k	308k	18k	0	0	0	0	0
	D MODIFIED INTENSITY	I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	D SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan 5000

98.6 W 97.2°W **9**5.9 ° Winfield Arkansas City 36.9°N Bartlesville Ponca City Stillwater Guthrie 35.8 mond Okmulgee klahoma City Henryetta Norman Ardmore

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

100

Historical Earthquakes

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1974-02-15	310	4.6	IV(8k)	_
1997-09-06	141	4.5	V(3k)	_

Selected City Exposure

IV Ec		Population
	lmond	81k
IV Jo	nes	3k
IV Th	ie Village	9k
IV St	illwater	46k
IV Ni	chols Hills	4k
III Sp	encer	4k
III OI	klahoma City	580k
III No	orman	111k
III Br	oken Arrow	99k
III W	ichita Falls	105k
III Tu	Isa	392k

bold cities appear on map.

(k = x1000)

https://earthquake.usgs.gov/earthquakes/eventpage/ok2024awfn#pager

Event ID: ok2024awfn